

Title (en)

METHOD AND ARRANGEMENT FOR CALENDERING A WEB COMPRISING A LONG-NIP CALENDER

Title (de)

VERFAHREN UND ANORDNUNG ZUM KALANDRIEREN EINER BAHN MIT LANGSPALTKALANDER

Title (fr)

PROCEDE DE CALANDRAGE D'UNE FEUILLE CONTINUE ET SYSTEME ASSOCIE COMPORTANT UNE CALANDRE A GRANDE LONGUEUR DE CONTACT

Publication

EP 1330573 A1 20030730 (EN)

Application

EP 01969838 A 20010921

Priority

- FI 0100827 W 20010921
- FI 20002170 A 20001002

Abstract (en)

[origin: WO0229159A1] The invention relates to a method and calender arrangement for calendering a material web (W), especially a paper or board web, in a long-nip calender, in which the backing roll (11) of the long-nip roll (15) is a heated, chilled-surface roll. The length of the long nip (N) in the direction of travel of the material web (W) is within the range from approximately 10 mm to 500 mm. In the invention, as a long-nip roll (15) is used a roll, the belt mantle (30) of which is made of metal at least as concerns its calendering, longitudinal, central area (31). In the method, a nip pressure within the range from 0.1 MPa to about 50 MPa is directed at the material web (W), and the surface temperature of the rolls (11, 15) before the nip (N) is adjusted to a value from about 60 DEG C to about 350 DEG C.

IPC 1-7

D21G 1/00

IPC 8 full level

D21G 1/00 (2006.01)

CPC (source: EP)

D21G 1/006 (2013.01)

Citation (search report)

See references of WO 0229159A1

Cited by

DE102011007752A1; WO2012143246A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0229159 A1 20020411; AT E327376 T1 20060615; AU 8997501 A 20020415; DE 60119956 D1 20060629; DE 60119956 T2 20070524; EP 1330573 A1 20030730; EP 1330573 B1 20060524; JP 2004510897 A 20040408

DOCDB simple family (application)

FI 0100827 W 20010921; AT 01969838 T 20010921; AU 8997501 A 20010921; DE 60119956 T 20010921; EP 01969838 A 20010921; JP 2002532720 A 20010921